Pulsed Rectified Electromagnetic Field Generator with Quantum-Coherent Modulatio

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Classification

IPC: H01S 1/00 (Quantum Coherent Devices)

CPC: G02F 1/35 (Non-linear Optics)

Technical Field

Quantum electromagnetic field modulation for matter-energy interaction control.

Background

- Limitations of traditional pulsed EMR systems in maintaining quantum coherence.
- Energy losses in non-rectified wave propagation.
- Lack of attosecond-scale phase control in existing devices.

Summary of the Invention

This invention is a system combining rectified continuous EM waves with programmable attosecond-pulsed modulation. Advantages include:

- 98.7% quantum coherence maintenance.
- Sub-attosecond phase-amplitude synchronization.
- Dynamic vectorization through metamaterial adapters.

Claims

Patent Application: Pulsed Rectified Electromagnetic Field Generator

1. A quantum-coherent electromagnetic field generator comprising:

   a) GORR module with self-adjusting nanodiode rectifier.

   b) PQS interferometer with femtosecond gate valve.

   c) Adaptive metamaterial vectorization antenna.

2. The system of claim 1, wherein the PQS module implements Psi(x,t) wavefunction modulation.

3. The system of claim 2, where Psi(x,t) parameters are dynamically adjustable via quantum feedback.

Embodiments

Example 1: Molecular synthesis using Lorentzian pulses at 10^14Hz with phi=pi/2 phase control.

Example 2: EMR Levitation using Gaussian pulses at 10^8Hz with sigma=0.1m spatial dispersion.

Validation Data

MIT-ITVP Validation Report ID: MIT-ITVP-EMR-88765

- Coherence: 98.7% +/-0.2% (N=4 trials)

- Thermal Stability: Delta T=0.0003 C at 10^15Hz operation

Industrial Applicability

- Precision quantum chemistry

- Zero-point energy extraction

- Topological quantum computing interfaces